

Appl. No. 10/006,074
Amdt. dated 09/20/2004
Reply to Office Action of 06/23/2004

IN THE CLAIMS:

Please amend Claims 1 - 4, 7 - 9, 14 - 17 and 21 - 23
as shown below.

1. (Currently amended) A method of diagnosing network protocol errors using an eXtensible Markup Language (XML) document comprising the steps of:

capturing data packets exchanged over a network communications line;

generating an XML document using the captured data packets, the XML document being malformed if there is at least one network protocol error and well-formed otherwise; and

diagnosing the network protocol errors using the XML document.

2. (Currently amended) The method of Claim 1 wherein the step of diagnosing ~~including~~ includes the step of using an XML-based analysis mechanism.

3. (Currently amended) The method of Claim 1 wherein the step of diagnosing ~~including~~ includes the step of using semantic analysis.

4. (Currently amended) The method of Claim 1 wherein the step of diagnosing ~~including~~ includes the step of passing the XML document through a parser.

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5. (Original) The method of Claim 4 wherein the data packets are captured through a tcpdump.
6. (Original) The method of Claim 5 wherein the data packets are captured through a sniffer.
7. (Currently amended) The method of Claim 6 wherein the step of diagnosing ~~including~~ includes the step of visually inspecting the XML document.
8. (Currently amended) A computer program product on a computer readable media for diagnosing network protocol errors using an eXtensible Markup Language (XML) document comprising:
- code means for capturing data packets exchanged over a network communications line;
- code means for generating an XML document using the captured data packets, the XML document being malformed if there is at least one network protocol error and well-formed otherwise; and
- code means for diagnosing the network protocol errors using the XML document.
9. (Currently amended) The computer program product of Claim 8 wherein the code means for diagnosing includes code means for using an XML-based analysis mechanism.

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10. (Original) The computer program product of Claim 8 wherein the code means for diagnosing includes code means for using semantic analysis.
11. (Original) The computer program product of Claim 8 wherein the diagnosing code means includes code means for parsing the XML document through a parser.
12. (Original) The computer program product of Claim 11 wherein the data packets are captured through a tcpdump.
13. (Original) The computer program product of Claim 12 wherein the data packets are captured through a sniffer.
14. (Currently amended) The computer program product of Claim 13 wherein the step of diagnosing ~~including~~ includes the step of visually inspecting the XML document.
15. (Currently amended) An apparatus for diagnosing network protocol errors using an eXtensible Markup Language (XML) document comprising:

means for capturing data packets exchanged over a network communications line;

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means for generating an XML document using the captured data packets, the XML document being malformed if there is at least one network protocol error and well-formed otherwise; and

means for diagnosing the network protocol errors using the XML document.

16. (Currently amended) The apparatus of Claim 15 wherein the means for diagnosing includes means for using an XML-based analysis mechanism.
17. (Currently amended) The apparatus of Claim 15 the means for diagnosing ~~including~~ includes means for using semantic analysis.
18. (Original) The apparatus of Claim 15 wherein the diagnosing means includes means for passing the XML document through a parser.
19. (Original) The apparatus of Claim 18 wherein the data packets are captured through a tcpdump.
20. (Original) The apparatus of Claim 19 wherein the data packets are captured through a sniffer.
21. (Currently amended) The apparatus of Claim 20 wherein the means for diagnosing ~~including~~ includes means for visually inspecting the XML document.

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22. (Currently amended) A computer system for diagnosing network protocol errors using an extensible Markup Language (XML) document comprising:
- at least one memory device for storing code data; and
- at least one processor for processing the code data to capture data packets exchanged over a network communications line, to generate an XML document using the captured data packets, the XML document being malformed if there is at least one network protocol error and well-formed otherwise, and to diagnose the network protocol errors using the XML document.
23. (Currently amended) The computer system of Claim 22 wherein the processor further processes the code data to use an XML-based analysis mechanism.
24. (Original) The computer system of Claim 22 wherein the processor further processes the code data to use semantic analysis.
25. (Original) The computer system of Claim 22 wherein diagnosing the network protocol errors includes passing the XML document through a parser.
26. (Original) The computer system of Claim 25 wherein the data packets are captured through a tcpdump.

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27. (Original) The computer system of Claim 26 wherein the data packets are captured through a sniffer.
28. (Original) The computer system of Claim 27 wherein diagnosing the network protocol errors includes visually inspecting the XML document.

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